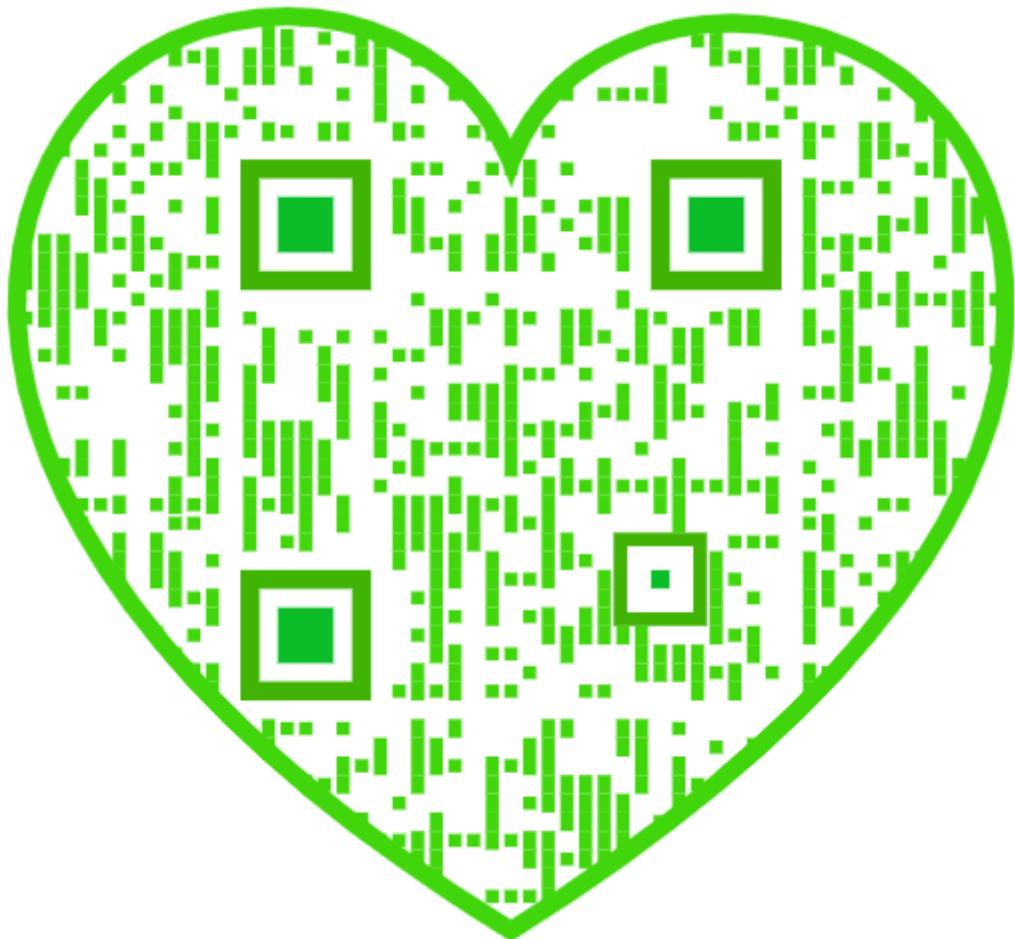


Master in Artificial Intelligence



Ethical Considerations II



Purpose

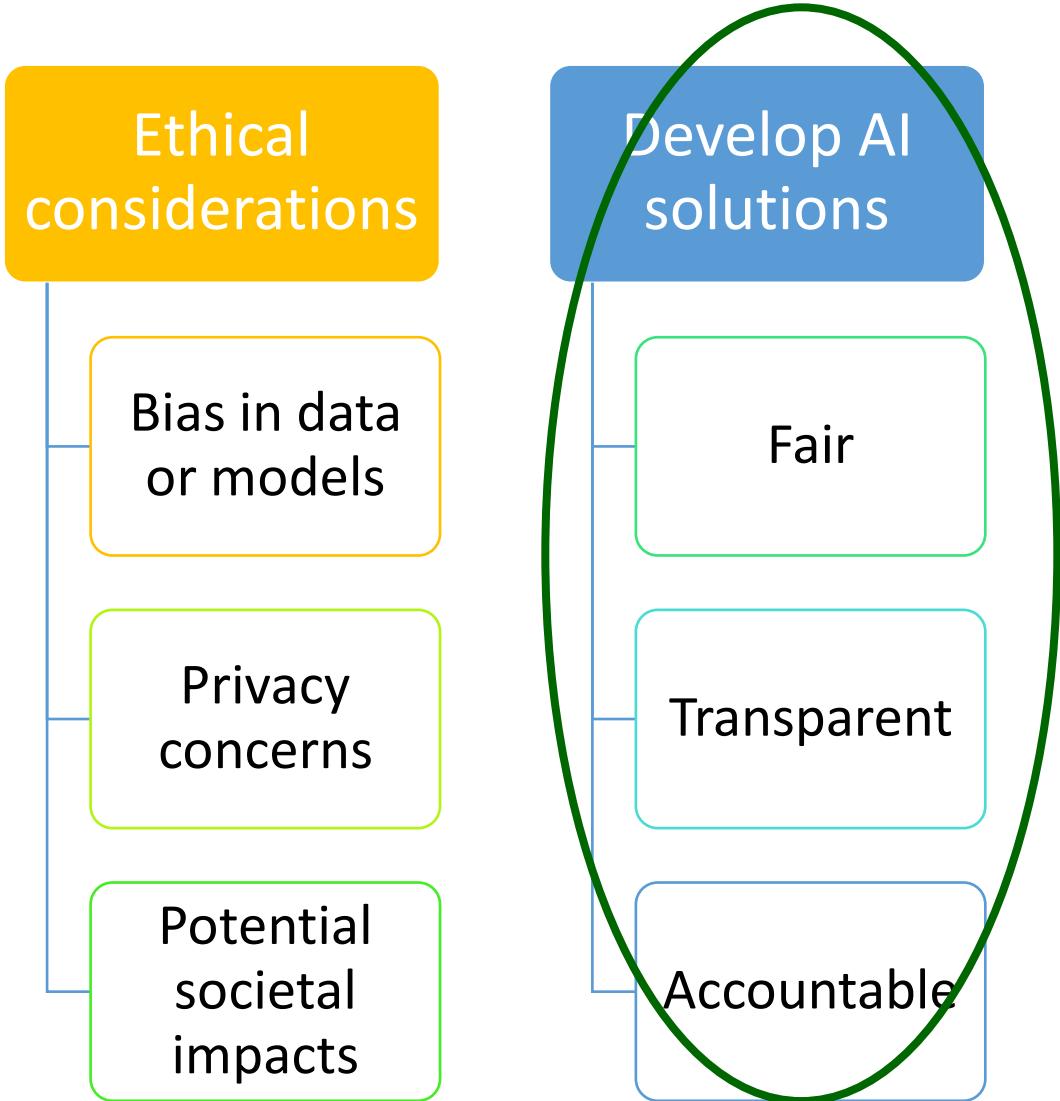
The purpose of the section is to help you learn how to take care of ethical considerations in artificial intelligence and machine learning to become a Successful Artificial Intelligence (AI) Engineer

At the end of this lecture, you will learn the following

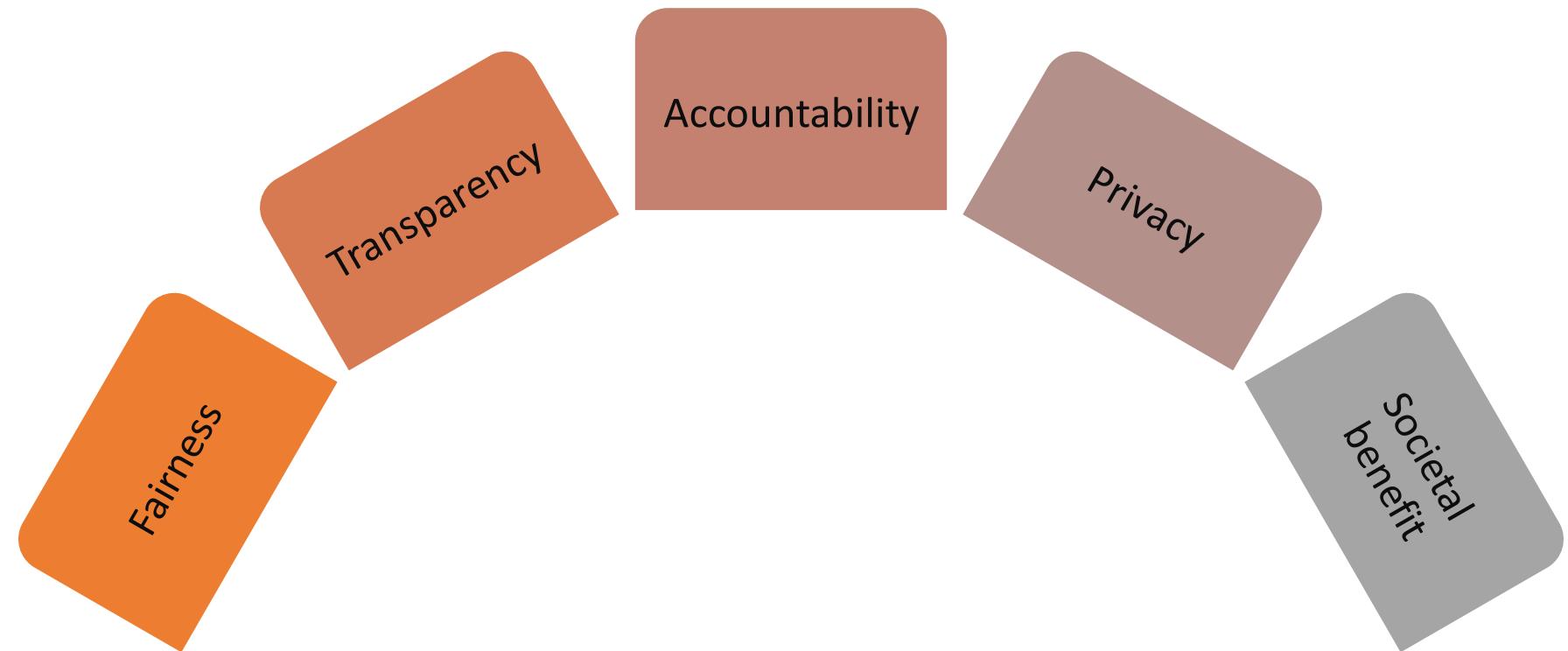
- How to develop AI solutions that are fair, transparent, and accountable



How to develop AI solutions that are fair, transparent, and accountable



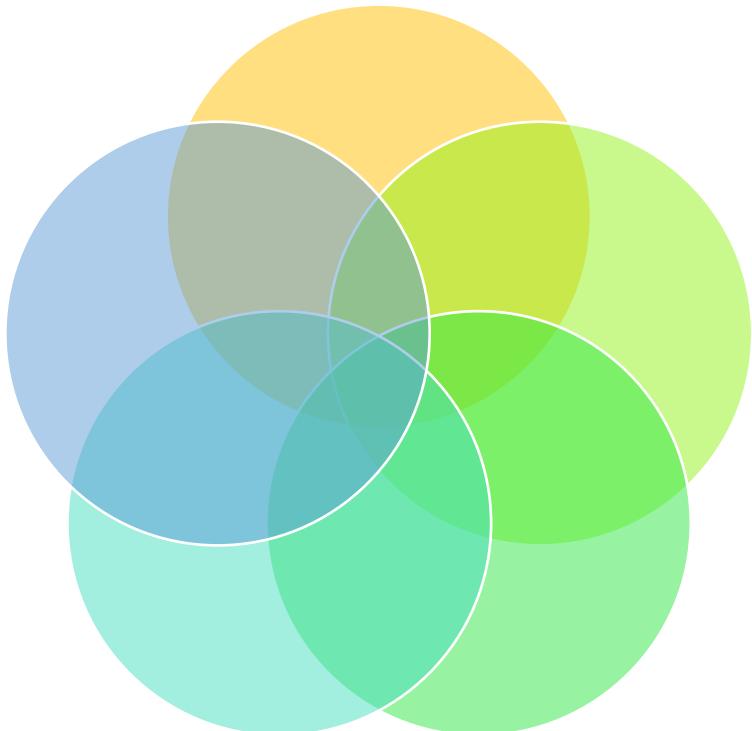
Define Ethical Principles



Diverse and Inclusive Teams

Stakeholders
from affected
communities

Ethicists



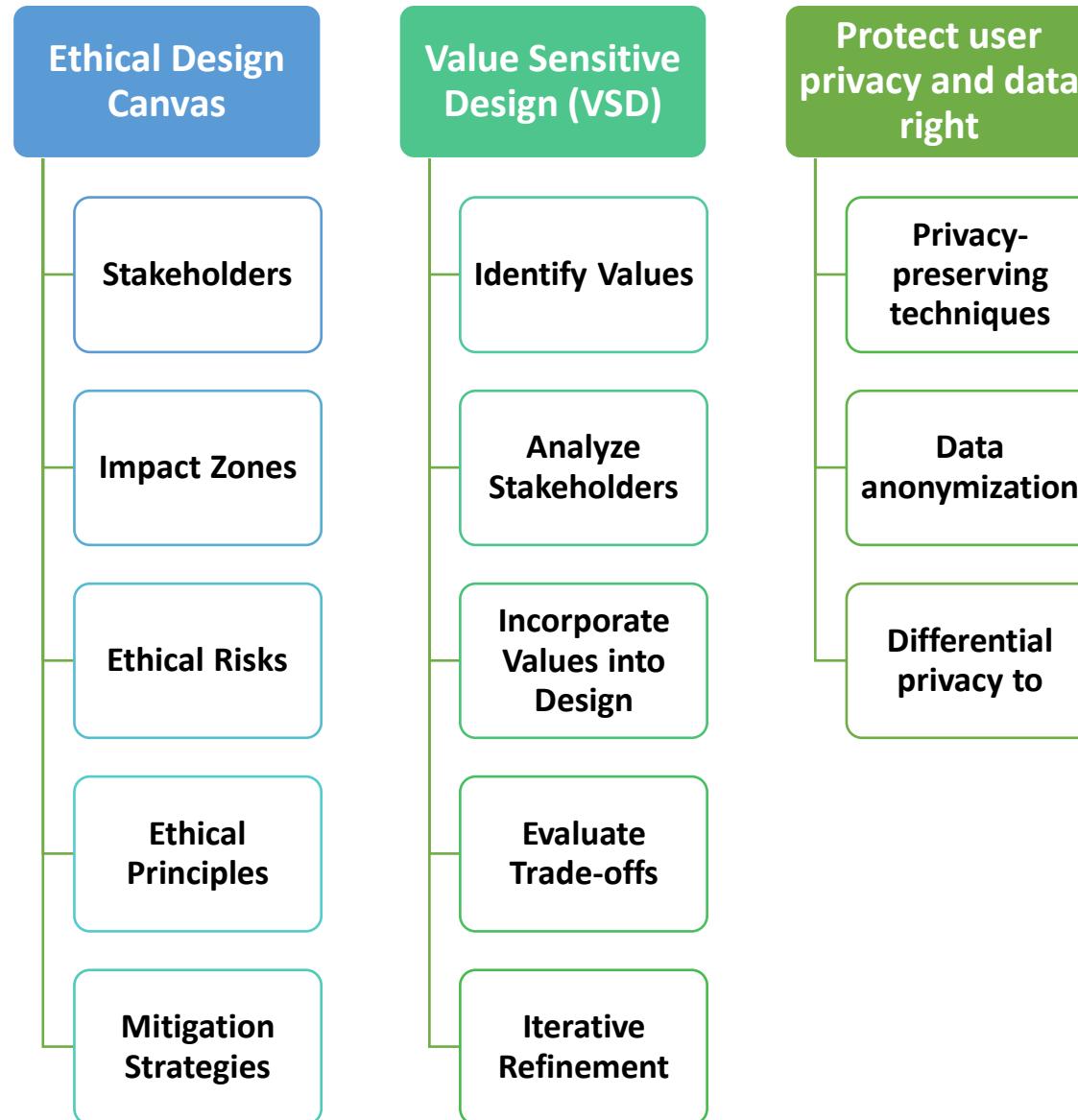
Data scientists

Software
engineers

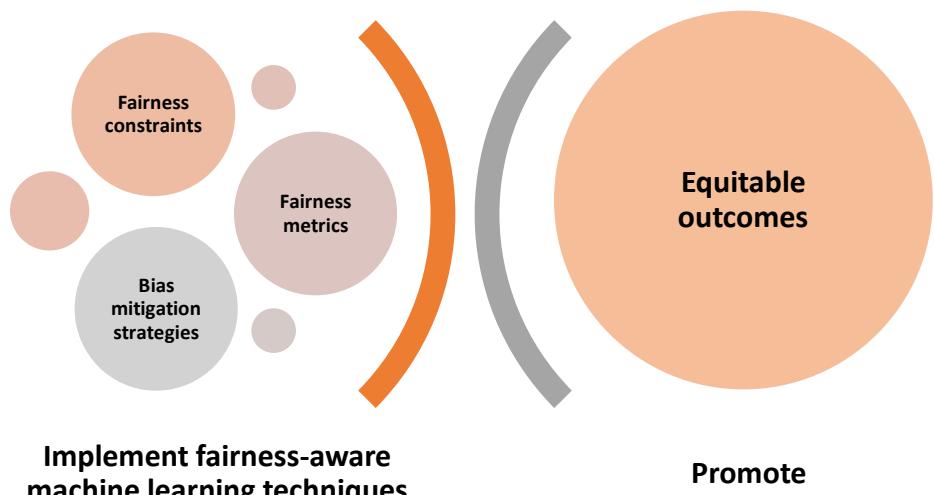
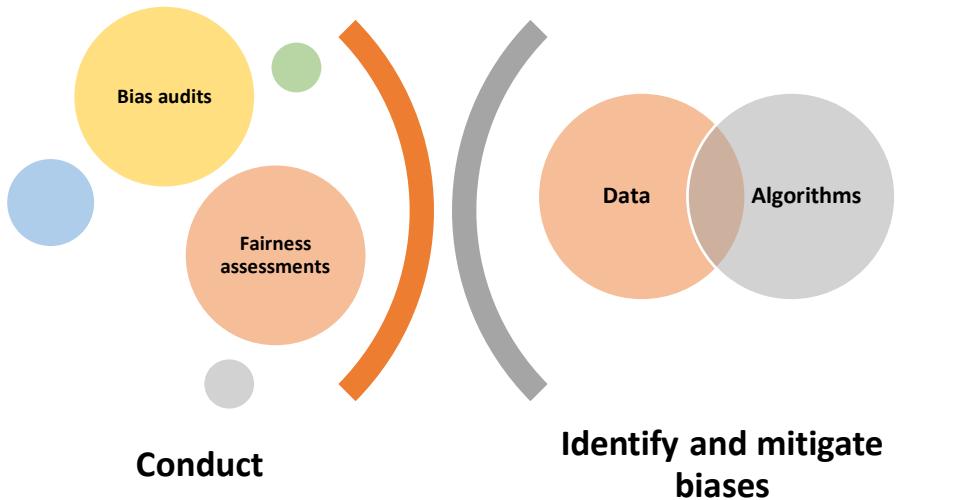
Domain
experts



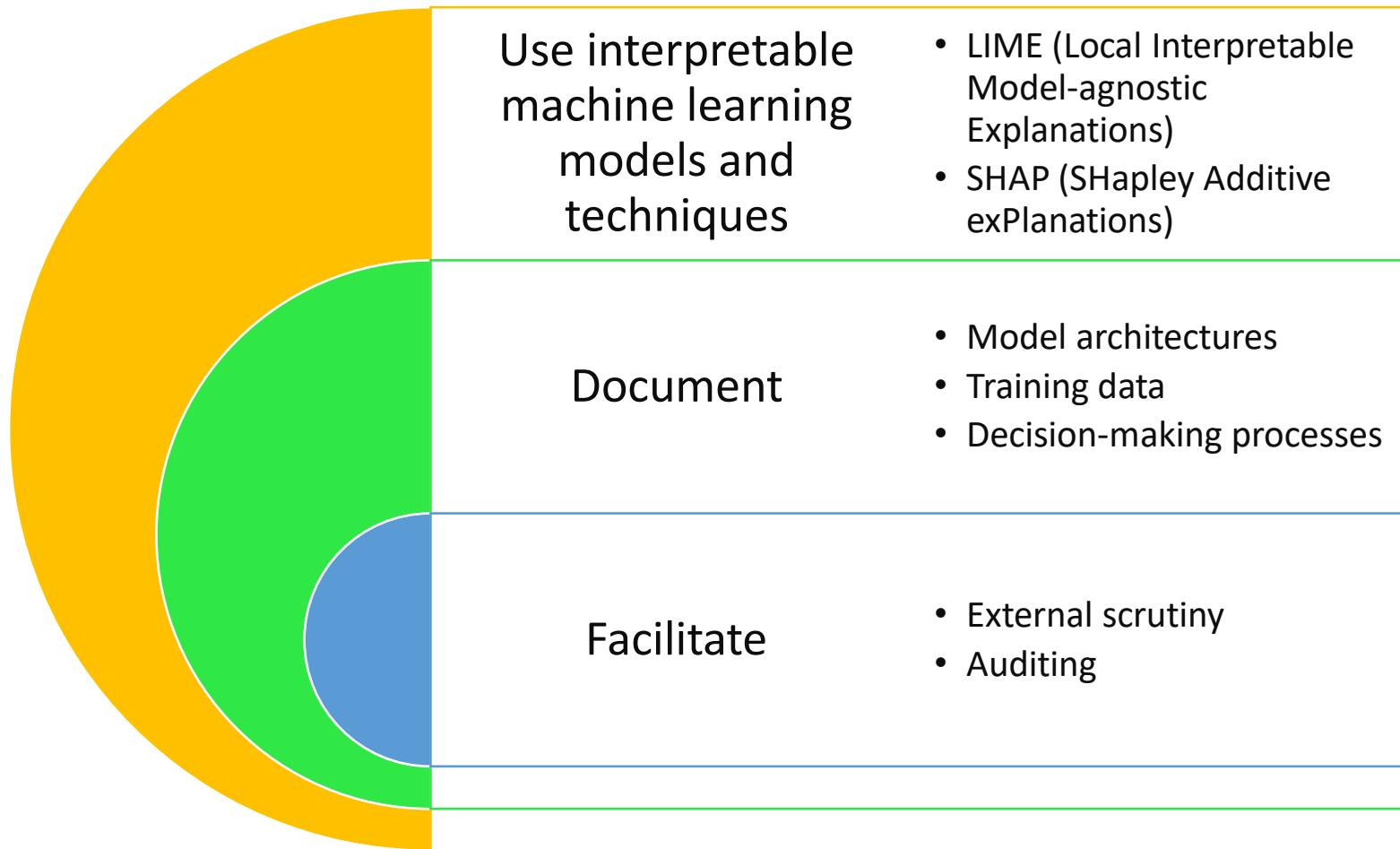
Ethical Design and Development



Fairness and Bias Mitigation



Transparency and Explainability



Accountability and Oversight

Establish mechanisms

For accountability and oversight

Throughout the AI development lifecycle.

Implement governance structures

Such as ethics committees or review boards

To review and assess the ethical implications of AI projects.

Define roles and responsibilities

Decision-making

Monitoring

Addressing ethical concerns



User Empowerment and Consent



Continuous Evaluation and Improvement

Continuously evaluate AI solutions for

Fairness

Transparency

Accountability post-deployment

Solicit feedback from

Stakeholders and affected communities

Identify areas for improvement

Address emerging ethical issues

Iterate on AI solutions based on

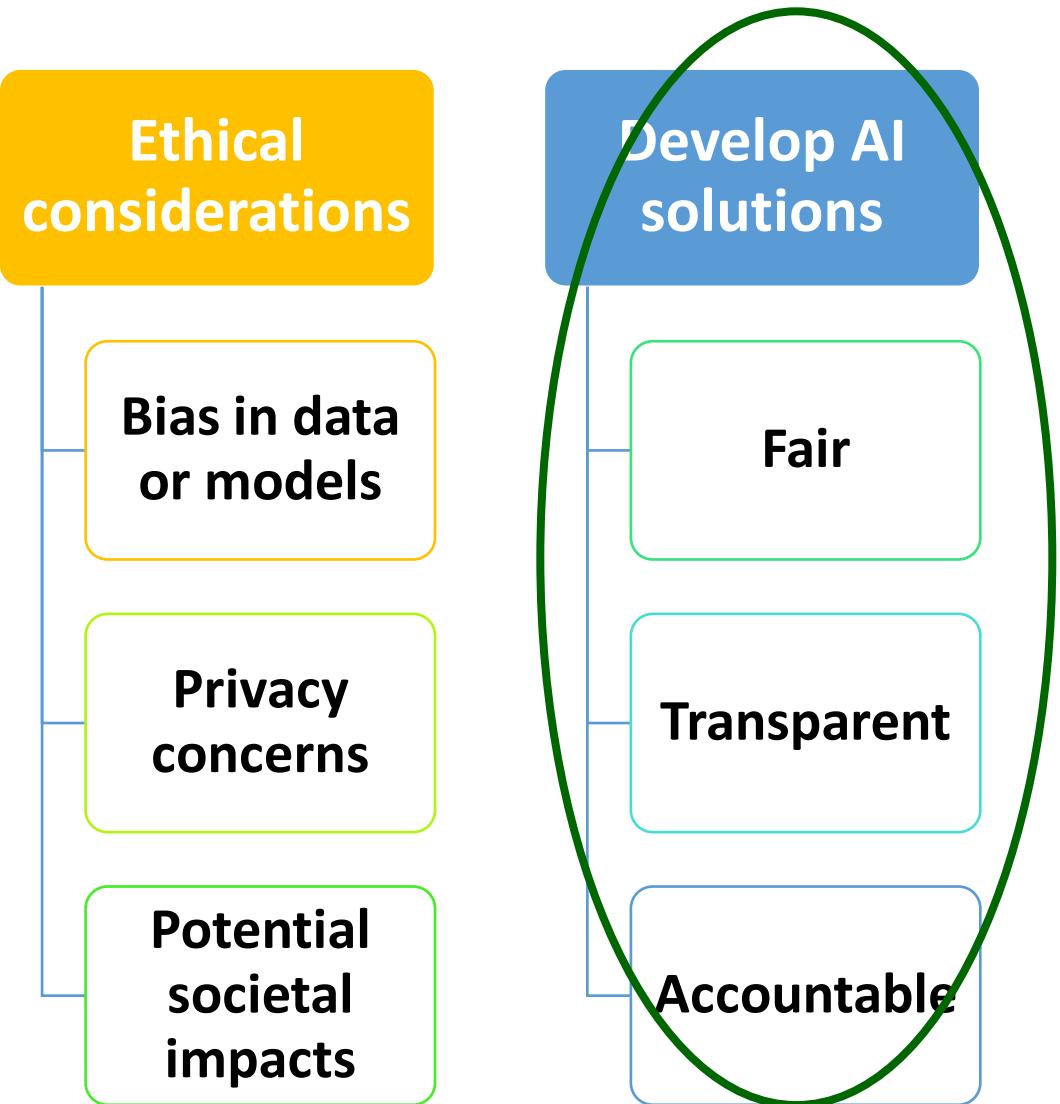
Feedback

New insights

Evolving ethical standards

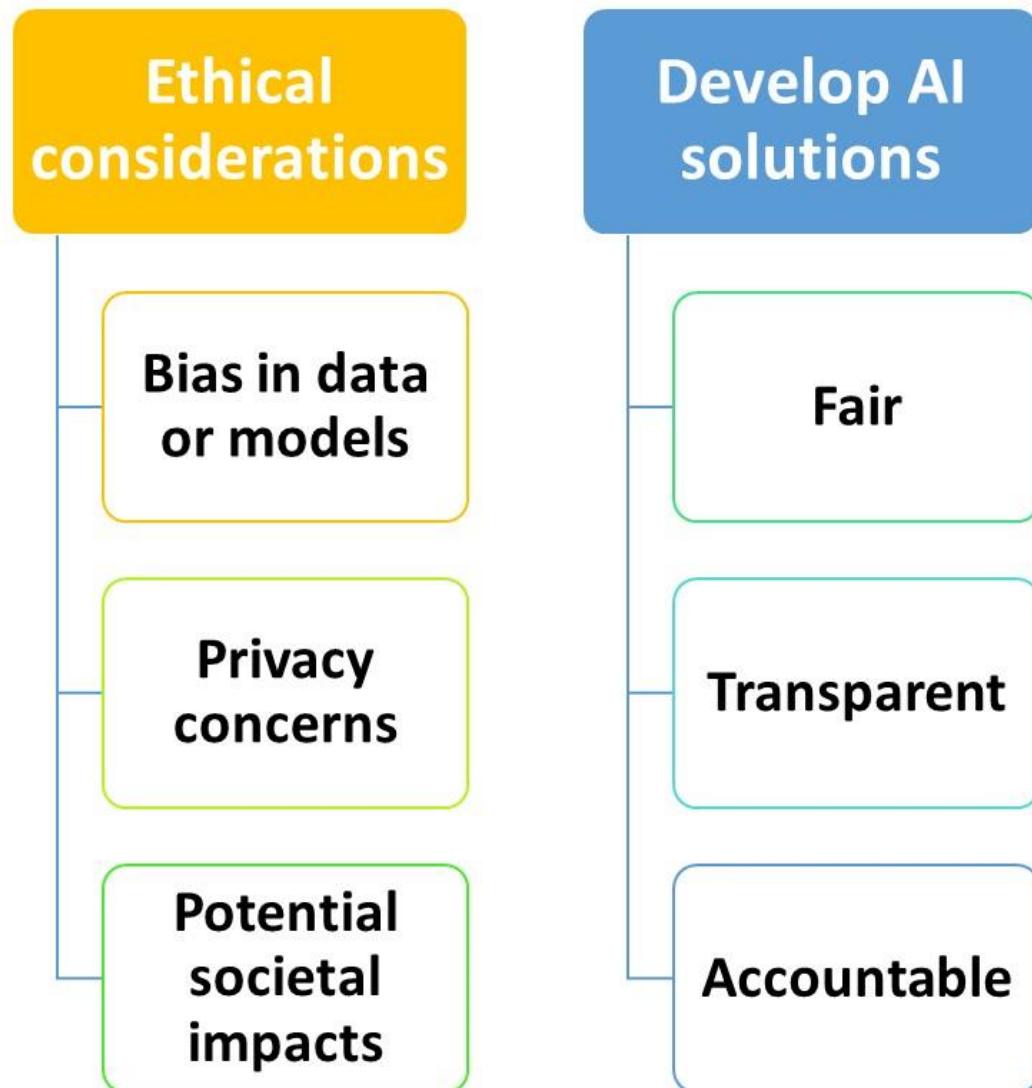


How to develop AI solutions that are fair, transparent, and accountable



What is next?

An example of taking care of ethical considerations in artificial intelligence and machine learning



Master in Artificial Intelligence



– Ethical Considerations II